Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/21/2021 09:10 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124965	-1	1.23	124876	1.20
Blue	F	SSC	125000	124439	-1	2.36	124788	2.23
Blue	E	FITC	13131	12790	-3	2.17	293	15.04
Blue	D	PE	24112	23912	-1	1.60	548	10.55
Blue	B	PerCP-Cy5-5	31295	30709	-2	2.91	1019	14.04
Blue	A	PE-Cy7	19939	19582	-2	5.00	522	29.01
Red	C	APC	42122	41249	-3	3.10	1733	11.44
Red	A	APC-Cy7	22340	21790	-3	3.39	821	11.64
Violet	B	V450	7410	7051	-5	4.05	428	12.99
Violet	A	V500	28118	27128	-4	3.60	676	10.05

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22997	1.79	578	9	N/A	N/A	Pass
Blue	F	SSC	58120	1.06	514	2	N/A	N/A	Pass
Blue	E	FITC	55	53.22	483	-4	0.0472	143	Pass
Blue	D	PE	116	36.16	486	-2	0.4407	319	Pass
Blue	B	PerCP-Cy5-5	190	34.30	581	-5	0.0213	51	Pass
Blue	A	PE-Cy7	106	65.23	622	-6	0.0218	0	Pass
Red	C	APC	399	23.96	580	4	0.0276	166	Pass
Red	A	APC-Cy7	183	27.49	554	3	0.0063	1085	Pass
Violet	B	V450	61	62.82	458	5	0.0543	2034	Pass
Violet	A	V500	98	32.77	470	5	0.0247	595	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.85	-31.69	1.04
Blue	20.36	16.28 - 24.42	1.27	1.02 - 1.52	0.00	0.00	1.42
Red	15.89	13.60 - 20.40	N/A	N/A	30.11	30.40	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10083

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments